

AMENDMENT UNDER 37 C.F.R. § 1.116
Application No. 09/941,708

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of controlling amplification of a signal emitted by a radio communication terminal including a power amplifier and a power supply battery, said method including the steps of comprising:

detecting an output power of said amplifier and converting said output power into a first detected voltage,

modifying said first detected voltage or a first set point voltage based on an output voltage level of said power supply battery to generate a second detected voltage or a second set point voltage;

comparing said first detected voltage with [[a]] said second set point voltage or said second detected voltage with said first set point voltage to generate a comparison result, and

adapting [[the]] an input voltage of said power amplifier as a result of based on said comparison result, wherein said detected voltage or said set point voltage is rendered dependent on an output voltage of said power supply battery before the step of comparing said detected voltage with said set point voltage.

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2. (Currently Amended) The method claimed in claim 1 wherein said first detected voltage is increased by a correction value dependent on said output voltage of said power supply battery to generate said second detected voltage.
3. (Currently Amended) The method claimed in claim 1 wherein said first set point voltage is reduced by a correction value dependent on said output voltage of said power supply battery to generate said second set point voltage.
4. (Currently Amended) The method claimed in claim 2 wherein said correction value is a multiple of $V_{bat} - V_{nom}$ where V_{nom} is [[the]] a nominal voltage of said power supply battery and V_{bat} is the output voltage of said power supply battery.
5. (Currently Amended) The method claimed in claim 3 wherein said correction value is a multiple of $V_{bat} - V_{nom}$ where V_{nom} is a nominal voltage of said power supply battery and V_{bat} is the output voltage of said power supply battery.
6. (Currently Amended) The method claimed in claim 1 wherein said first detected voltage or said first set point voltage is ~~rendered dependent of~~ modified based on said output voltage of said power supply battery only within a limited range of the output power of said amplifier.

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7. (Currently Amended) The method claimed in claim 6 wherein said first detected voltage or said first set point voltage is ~~rendered dependent~~ modified based on said output voltage of said power supply battery only in a range of the output power of said amplifier close to 30 dBm.

8. (Currently Amended) A device for controlling amplification of a signal emitted by a terminal, said device comprising:

a power supply battery,

a power amplifier,

means for detecting an output power of said amplifier and converting said output power into a first detected voltage,

means for modifying said first detected voltage or a first set point voltage based on an output voltage of said power supply battery to generate a second detected voltage or a second set point voltage;

means for comparing said first detected voltage with [[a]] said second set point voltage or said second detected voltage with said first set point voltage to generate a comparison result,

means for controlling an input voltage of said amplifier based on said comparison result,

~~a power supply battery, and~~

~~means for rendering said detected voltage or said set point voltage dependent on an output voltage of said power supply battery before comparing said detected voltage with said set point voltage.~~

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9. (Currently Amended) The device claimed in claim 8, wherein said means for ~~rendering modifying said first detected voltage or said first set point voltage dependent based on~~ said output voltage of said power supply battery include a subtractor between said comparator means and said power detector and converter means.

10. (Currently Amended) The device claimed in claim 8 ~~further including blocking means adapted to render wherein said means for modifying said first detected voltage or said first set point voltage dependent based on~~ said output voltage of said power supply battery ~~modifies said first detected voltage or said first set point voltage only in a range of the output power of said amplifier close to 30 dBm.~~

11. (Currently Amended) The device claimed in claim 10 wherein said ~~blocking means for modifying said first detected voltage or said first set point voltage~~ include a field-effect transistor.

12. (Currently Amended) The device claimed in claim 8 wherein said means for ~~rendering modifying said first detected voltage or said first set point voltage dependent based on~~ said output voltage of said power supply battery include software means.

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13. (Currently Amended) The device claimed in claim 12 wherein said software means ~~renders~~ modifies said first detected voltage or said first set point voltage ~~dependent~~ based on said output voltage of said power supply battery only in a range of powers close to 30 dBm.

14. (Currently Amended) A radio communication terminal comprising a device for controlling amplification of a signal emitted by a terminal a power amplifier, the device comprising:

a power supply battery,

a power amplifier,

means for detecting an output power of said amplifier and converting said output power into a first detected voltage,

means for modifying said first detected voltage or a first set point voltage based on an output voltage of said power supply battery to generate a second detected voltage or a second set point voltage;

means for comparing said first detected voltage with [[a]] said second set point voltage or said second detected voltage with said first set point voltage to generate a comparison result,

means for controlling an input voltage of said amplifier based on said comparison result,

a power supply battery, and

means for rendering said detected voltage or said set point voltage dependent on an output voltage of said power supply battery before comparing said detected voltage with said set point voltage.

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15. (Currently Amended) A radio communication terminal according to claim 14, wherein said means for ~~rendering~~ modifying said first detected voltage or said first set point voltage ~~dependent~~ based on said output voltage of said power supply battery include a subtractor between said comparator means and said power detector and converter means.